Name of Work-''Construction of Concrete Roads And Drains in Allansandra Colony''

EMB

"FIRST AND FINAL BILL''

Name of Work-'Construction . of Concrete Roads And Drains in Allansandra Colony''

PRE-MEASUREMENT SHEETS

"FIRST AND FINAL BILL''

Name of Work-"Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

Measurement Recorded On: 07-03-24

Item No	Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
	Removing and resetting of footpath slab (From Approved Arrival Rates)						
	Allansandra Colony						
	Backup Anjenaya Temple Rd						
	LHS						
	CH:0.00m to 30.00m	1	30.00	0.60		18.00	
	CH:30.00m to 60.00m	1	30.00	0.60		18.00	
	CH:60.00m to 69.00m	1	9.00	0.60		5.40	
	Connecting Rd						
	RHS						
	CH:0.00m to 22.00m	1	22.00	0.60		13.20	
	CH:22.00m to 52.00m	1	30.00	0.60		18.00	
	CH:52.00m to 59.00m	1	7.00	0.60		4.20	
	Connecting Rd						
	RHS						
	CH:0.00m to 30.00m	1	30.00	0.60		18.00	
	CH:30.00m to 56.00m	1	26.00	0.60		15.60	
	CH:56.00m to 68.00m Gap	1	12.00				
	CH:68.00m to 76.00m	1	8.00	0.60		4.80	
	Connecting Rd						
	RHS						
	CH:0.00m to 30.00m	1	30.00	0.60		18.00	
	CH:30.00m to 52.00m	1	22.00	0.60		13.20	
					Present Qty	**146.40**	**sqm**

Contractor

Asst. Engineer

Asst. Exec. Engineer

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ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work-"Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

Measurement Recorded On: 09-03-24

Item No	Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
2	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Volume 1, Loading & Unloading Rs-118						
	For Rcc Drain Desilt						
	Allansandra Colony						
	Backup Anjenaya Temple Rd						
	LHS						
	CH:0.00m to 30.00m	1	30.00	0.30	0.40	3.60	
	CH:30.00m to 60.00m	1	30.00	0.30	0.40	3.60	
	CH:60.00m to 69.00m	1	9.00	0.30	0.40	1.08	
	Connecting Rd						
	RHS						
	CH:0.00m to 22.00m	1	22.00	0.30	0.50	3.30	
	CH:22.00m to 52.00m	1	30.00	0.30	0.50	4.50	
	CH:52.00m to 59.00m	1	7.00	0.30	0.50	1.05	
	Connecting Rd						
	RHS						
	CH:0.00m to 30.00m	1	30.00	0.30	0.50	4.50	
	CH:30.00m to 56.00m	1	26.00	0.30	0.50	3.90	
	CH:56.00m to 68.00m Gap	1	12.00				
	CH:68.00m to 76.00m	1	8.00	0.30	0.50	1.20	
	Connecting Rd						
	RHS						
	CH:0.00m to 30.00m	1	30.00	0.30	0.40	3.60	
	CH:30.00m to 52.00m	1	22.00	0.30	0.40	2.64	
	For Rcc Drain						
	Kanakanagara						
	5th Cross Rd						
	LHS						
	CH:0.00m to 5.50m	1	5.50	1.40	1.20	9.24	
	CH:5.50m to 11.80m	1	6.30	1.40	1.20	10.58	
	CH:11.80m to 12.80m Gap	1	1.00				
	CH:12.80m to 17.80m	1	5.00	1.40	1.20	8.40	
	CH:17.80m to 47.80m	1	30.00	1.40	1.20	50.40	
	Continue						

Contractor Asst. Engineer Asst. Exec. Engineer.

Item No	Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
	5th Cross Rd						
	RHS						
	CH:0.00m to 11.00m	1	11.00	1.10	1.20	14.52	
	CH:11.00m to 17.20m Culvert Gap	1	6.20				
	29th Cross Rd LHS						
	CH:0.00m to 1.80m	1	1.80	1.10	1.20	2.38	
	CH:1.80m to 3.70m Gap	1	1.90				
	CH:3.70m to 7.50m	1	3.80	1.10	1.20	5.02	
	CH:7.50m to 28.00m	1	20.50	1.10	1.20	27.06	
	CH:28.00m to 31.00m	1	3.00	1.10	1.20	3.96	
	CH:31.00m to 35.70m	1	4.70	1.10	1.20	6.20	
	CH:35.70m to 40.50m Culvert Gap	1	4.80				
	CH:40.50m to 43.30m	1	2.80	1.10	1.20	3.70	
	CH:43.30m to 44.90m	1	1.60	1.10	1.20	2.11	
	CH:44.90m to 47.30m Culvert Gap	1	2.40				
	CH:47.30m to 54.30m	1	7.00	1.10	1.20	9.24	
	CH:54.30m to 66.30m	1	12.00	1.10	1.20	15.84	
	CH:66.30m to 70.30m Gap	1	4.00				
	CH: 70.30m to 82.30m	1	12.00	1.10	1.20	15.84	
	CH:82.30m to 85.30m Gap	1	3.00				
	CH:85.30m to 107.30m	1	22.00	1.10	1.20	29.04	
	29th Cross Rd RHS						
	CH:0.00m to 27.40m	1	27.40	1.10	1.00	30.14	
	CH:27.40m to 34.90m Culvert Gap	1	7.50				
	CH:34.90m to 57.30m	1	22.40	1.10	1.00	24.64	
	CH:57.30m to 64.50m	1	7.20	1.10	1.00	7.92	
	Kanakanagara Main Rd						
	RHS From 28th Cross Rd						
	CH:0.00m to 23.20m	1	23.20	1.10	1.30	33.18	
	CH:23.20m to 28.00m Rd Gap	1	4.80				
	CH:28.00m to 35.80m	1	7.80	1.10	1.30	11.15	
	CH:35.80m to 39.10m Rd Gap	1	3.30				
	CH:39.10m to 47.00m	1	7.90	1.10	1.30	11.30	
	CH:47.00m to 51.00m Rd Gap	1	4.00				
	CH:51.00m to 57.00m	1	6.00	1.10	1.30	8.58	
	CH:57.00m to 59.70m Rd Gap	1	2.70				
	CH:59.70m to 68.80m	1	9.10	1.10	1.30	13.01	
	CH:68.80m to 72.30m Rd Gap	1	3.50				
	CH:72.30m to 80.60m	1	8.30	1.10	1.30	11.87	
	CH:80.60m to 84.70m Rd Gap	1	4.10				
	CH:84.70m to 94.10m	1	9.40	1.10	1.30	13.44	
	CH:94.10m to 98.10m Rd Gap	1	4.00				
	CH:98.10m to 106.50m Gap	1	8.40				
	CH:106.50m to 110.20m Rd Gap	1	3.70				

Contractor

Asst. Engineer

Asst. Exec. Engineer

Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
CH:110.20m to 119.80m	1	9.60	1.10	1.30	13.73	
CH:119.80m to 123.40m Rd Gap	1	3.60				
CH:123.40m to 130.60m	1	7.20	1.10	1.30	10.30	
CH:130.60m to 134.00m Rd Gap	1	3.40				
CH:134.00m to 145.30m Gap	1	11.30				
CH:145.30m to 158.70m	1	13.40	1.10	1.30	19.16	
LHS From Dead End						
CH:0.00m to 30.00m	1	30.00	1.00	1.20	36.00	
CH:30.00m to 45.30m	1	15.30	1.00	1.30	19.89	
CH:45.30m to 60.30m	1	15.00	1.10	1.30	21.45	
CH:60.30m to 69.30m	1	9.00	1.10	1.30	12.87	
CH:69.30m to 81.30m Gap	1	12.00				
CH:81.30m to 104.70m	1	23.40	1.10	1.20	30.89	
CH:104.70m to 110.20m	1	5.50	1.10	1.20	7.26	
CH:110.20m to 118.60m	1	8.40	1.10	1.20	11.09	
Allansandra Colony Burial Ground Rd						
RHS						
CH:0.00m to 35.00m	1	35.00	1.10	1.00	38.50	
4th Cross Rd						
RHS						
CH:0.00m to 15.00m	1	15.00	1.10	1.20	19.80	
RCC Culvert						
5th Cross Rd						
RHS	1	5.50	1.40	1.20	9.24	
Continue						
5th Cross Rd						
RHS						
CH:11.00m to 17.20m	1	6.20	1.40	1.00	8.68	
29th Cross Rd LHS						
CH:35.70m to 40.50m	1	4.80	1.40	1.00	6.72	
CH:44.90m to 47.30m	1	2.40	1.40	1.00	3.36	
29th Cross Rd RHS						
CH:27.40m to 34.90m	1	7.50	1.40	1.00	10.50	
Debris	6	3.00	2.00	0.30	10.80	
				Present Qty	**701.96**	**Cum**

Contractor

Asst. Engineer

Asst. Exec. Engineer

Name of Work- Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

asurement Recorded On: 13-03-24

m o	Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates						
	For Rcc Drain						
	Kanakanagara						
	5th Cross Rd						
	LHS						
	CH:0.00m to 5.50m	1	5.50	1.40	0.15	1.16	
	CH:5.50m to 11.80m	1	6.30	1.40	0.15	1.32	
	CH:11.80m to 12.80m Gap	1	1.00				
	CH:12.80m to 17.80m	1	5.00	1.40	0.15	1.05	
	CH:17.80m to 47.80m	1	30.00	1.40	0.15	6.30	
	Continue						
	5th Cross Rd						
	RHS						
	CH:0.00m to 11.00m	1	11.00	1.10	0.15	1.82	
	CH:11.00m to 17.20m Culvert Gap	1	6.20				
	29th Cross Rd LHS						
	CH:0.00m to 1.80m	1	1.80	1.10	0.15	0.30	
	CH:1.80m to 3.70m Gap	1	1.90				
	CH:3.70m to 7.50m	1	3.80	1.10	0.15	0.63	
	CH:7.50m to 28.00m	1	20.50	1.10	0.15	3.38	
	CH:28.00m to 31.00m	1	3.00	1.10	0.15	0.50	
	CH:31.00m to 35.70m	1	4.70	1.10	0.15	0.78	
	CH:35.70m to 40.50m Culvert Gap	1	4.80				
	CH:40.50m to 43.30m	1	2.80	1.10	0.15	0.46	
	CH:43.30m to 44.90m	1	1.60	1.10	0.15	0.26	
	CH:44.90m to 47.30m Culvert Gap	1	2.40				
	CH:47.30m to 54.30m	1	7.00	1.10	0.15	1.16	
	CH:54.30m to 66.30m	1	12.00	1.10	0.15	1.98	
	CH:66.30m to 70.30m Gap	1	4.00				
	CH: 70.30m to 82.30m	1	12.00	1.10	0.15	1.98	
	CH:82.30m to 85.30m Gap	1	3.00				
	CH:85.30m to 107.30m	1	22.00	1.10	0.15	3.63	

Contractor

Asst. Engineer

Asst. Exec. Engineer

Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
RCC Culvert						
5th Cross Rd						
RHS	1	5.50	1.40	0.15	1.16	
Continue						
5th Cross Rd						
RHS						
CH:11.00m to 17.20m	1	6.20	1.40	0.15	1.30	
29th Cross Rd LHS						
CH:35.70m to 40.50m	1	4.80	1.40	0.15	1.01	
CH:44.90m to 47.30m	1	2.40	1.40	0.15	0.50	
29th Cross Rd RHS						
CH:27.40m to 34.90m	1	7.50	1.40	0.15	1.58	
				Present Qty	**83.61**	**Cum**

Contractor

Asst. Engineer

Asst. Exec. Engineer

Name of Work-'Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

Measurement Recorded On: 15-03-24

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.complete as per the direction of Engineer In charge of the work							
	Kanakanagara							
	5th Cross Rd							
	LHS							
	Total Drain Length=46.80m							
	Main Bar 10mm dia @110mm c/c							
	d=0.61kg/m							
	Distrubution Bar 10mm dia @150mm c/c							
	d=0.61kg/m							
	No of U Bars=425		425	3.00		0.61	777.75	
	No of distrubution Bars=20		20	46.80		0.61	570.96	
	Continue							
	5th Cross Rd							
	RHS							
	Total Drain Length=11.00m							
	Main Bar 10mm dia @110mm c/c							
	d=0.61kg/m							
	Distrubution Bar 10mm dia @150mm c/c							
	d=0.61kg/m							
	No of U Bars=100		100	2.70		0.61	164.70	
	No of distrubution Bars=14		18	11.00		0.61	120.78	
	29th Cross Rd LHS							
	Total Drain Length=91.20m							
	Main Bar 10mm dia @110mm c/c							
	d=0.61kg/m							
	Distrubution Bar 10mm dia @150mm c/c							
	d=0.61kg/m							
	No of U Bars=829		829	2.70		0.61	1365.36	
	No of distrubution Bars=18		18	91.20		0.61	1001.38	
	29th Cross Rd RHS							
	Total Drain Length=57.00m							
	Main Bar 10mm dia @110mm c/c							
	d=0.61kg/m							

Contractor

Asst. Engineer

Asst. Executive Engineer

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
RCC Culvert							
Total Culvert Length=26.4m							
Main Bar 12mm dia @130mm c/c							
d=0.89kg/m							
Distrubution Bar 10mm dia @150mm c/c							
d=0.61kg/m							
No of U Bars=406		406	2.20		0.89	794.95	
No of distrubution Bars=28		28	26.40		0.61	450.91	
						12388.55	
					Present Qty	**12.39**	**Tn**

Contractor

Asst. Engineer

Asst. Exe. Engineer

Name of Work-" Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

ement Recorded On: 25-03-24, 28-03-24, 02-04-24, 04-04-24.

Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
Providing and laying in position Reinforced cement concrete for all Sub structures of building, rrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m o 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates						
RCC Drain Raft						
Kanakanagara						
5th Cross Rd						
LHS						
CH:0.00m to 5.50m	1	5.50	1.20	0.15	0.99	
CH:5.50m to 11.80m	1	6.30	1.20	0.15	1.13	
CH:11.80m to 12.80m Gap	1	1.00				
CH:12.80m to 17.80m	1	5.00	1.20	0.15	0.90	
CH:17.80m to 47.80m	1	30.00	1.20	0.15	5.40	
Continue						
5th Cross Rd						
RHS						
CH:0.00m to 11.00m	1	11.00	0.90	0.15	1.49	
CH:11.00m to 17.20m Culvert Gap	1	6.20				
29th Cross Rd LHS						
CH:0.00m to 1.80m	1	1.80	0.90	0.15	0.24	
CH:1.80m to 3.70m Gap	1	1.90				
CH:3.70m to 7.50m	1	3.80	0.90	0.15	0.51	
CH:7.50m to 28.00m	1	20.50	0.90	0.15	2.77	
CH:28.00m to 31.00m	1	3.00	0.90	0.15	0.41	
CH:31.00m to 35.70m	1	4.70	0.90	0.15	0.63	
CH:35.70m to 40.50m Culvert Gap	1	4.80				
CH:40.50m to 43.30m	1	2.80	0.90	0.15	0.38	
CH:43.30m to 44.90m	1	1.60	0.90	0.15	0.22	
CH:44.90m to 47.30m Culvert Gap	1	2.40				
CH:47.30m to 54.30m	1	7.00	0.90	0.15	0.95	
CH:54.30m to 66.30m	1	12.00	0.90	0.15	1.62	
CH:66.30m to 70.30m Gap	1	4.00				
CH: 70.30m to 82.30m	1	12.00	0.90	0.15	1.62	

Contractor

Asst. Engineer

Asst. Exec. Engineer

15

Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
Cross Rd RHS		–				
27.40m to 34.90m	1	7.50	1.20	0.20	1.80	
C Culvert wall						
Cross Rd						
S	2	5.50	0.20	0.60	1.32	
ntinue						
Cross Rd						
IS						
:11.00m to 17.20m	2	6.20	0.20	0.45	1.12	
th Cross Rd LHS						
:35.70m to 40.50m	2	4.80	0.20	0.45	0.86	
:44.90m to 47.30m	2	2.40	0.20	0.45	0.43	
th Cross Rd RHS						
:27.40m to 34.90m	2	7.50	0.20	0.45	1.35	
					11.42	
				Present Qty	**186.31**	**Cum**

tractor

Asst. Engineer

Asst. Exec. Engineer

Name of Work-Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

rement Recorded On: 08-04-24

Discription of Item	No	Length	Breadth			Depth	Qty	Unit
Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials								
Kanakanagara								
5th Cross Rd								
Ch:0.00m to 14.70m	1	14.70	1.60	+	4.40	0.25	11.03	
				2				
Connecting Rd								
Ch:0.00m to 5.50m	1	5.50	1.20	+	1.20	0.20	1.32	
				2				
Ch:0.00m to 20.50m	1	15.00	0.85	+	0.95	0.20	2.70	
				2				
Ch:0.00m to 35.50m	1	15.00	0.95	+	1.40	0.20	3.53	
				2				
Ch:0.00m to 42.60m	1	7.10	1.40	+	1.20	0.20	1.85	
				2				
Deduction								
	-1	0.90	0.90	+	0.90	0.20	-0.16	
				2				
	-1	0.60	0.60	+	0.60	0.20	-0.07	
				2				
						Present Qty	**20.18**	**Cum**

ontractor

Asst.Engineer

ಸಹಾಯಕ ಕಾ. Asst.Exec.Engineer
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Name of Work-Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

urement Recorded On: 10-04-24

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work (						
Asphalt Road						
Cut portion						
Allansandra Colony						
Allansandra Burial Ground to R.O Plant Through Shaneshwara Temple						
Ch:0.00m to 30.00m	1	30.00	(0.60 + 0.80) / 2	0.25	5.25	
Ch:30.00m to 37.00m	1	7.00	(0.80 + 0.90) / 2	0.25	1.49	
Ch:37.00m to 42.00m	1	5.00	(0.90 + 0.80) / 2	0.25	1.06	
Ch:42.00m to 72.00\m	1	30.00	(0.80 + 0.80) / 2	0.25	6.00	
Ch:72.00m to 102.00m	1	30.00	(0.80 + 0.80) / 2	0.25	6.00	
Ch:102.00m to 132.00m	1	30.00	(0.80 + 0.80) / 2	0.25	6.00	
Ch:132.00m to 162.00m	1	30.00	(0.80 + 1.00) / 2	0.25	6.75	
Ch:162.00m to 192.00m	1	30.00	(1.00 + 1.20) / 2	0.25	8.25	
Ch:192.00m to 207.00m	1	15.00	(1.20 + 0.80) / 2	0.25	3.75	
Ch:207.00m to 222.00m	1	15.00	(0.80 + 0.80) / 2	0.25	3.00	
Ch:222.00m to 237.00m	1	15.00	(0.80 + 0.80) / 2	0.25	3.00	
Ch:237.00m to 252.00m	1	15.00	(0.80 + 0.80) / 2	0.25	3.00	
Ch:252.00m to 282.00m	1	30.00	(0.80 + 0.80) / 2	0.25	6.00	
Ch:282.00m to 312.0m	1	30.00	(0.80 + 0.80) / 2	0.25	6.00	
Ch:312.0m to 342.00m	1	30.00	(0.80 + 0.80) / 2	0.25	6.00	

Contractor   Asst.Engineer   Asst.Exec.Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Ch:0.00m to 15.00m	1	15.00	(0.40 + 0.30) / 2	0.25	1.31	
Ch:15.00m to 30.00m	1	15.00	(0.30 + 0.30) / 2	0.25	1.13	
Ch:30.00m to 45.00m	1	15.00	(0.30 + 0.30) / 2	0.25	1.13	
Ch:45.00m to 60.00m	1	15.00	(0.30 + 0.30) / 2	0.25	1.13	
Ch:60.00m to 70.00m	1	10.00	(0.30 + 0.30) / 2	0.25	0.75	
				Present Qty	**286.75**	**Cum**

ontractor

Asst.Engineer

Asst.Exec.Engineer.

Name of Work-Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

rement Recorded On: 15-04-24

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density						
Asphalt Road						
Cut portion						
Allansandra Colony						
Allansandra Burial Ground to R.O Plant Through Shaneshwara Temple						
Ch:0.00m to 30.00m	1	30.00	(0.60 + 0.80) / 2	0.225	4.73	
Ch:30.00m to 37.00m	1	7.00	(0.80 + 0.90) / 2	0.225	1.34	
Ch:37.00m to 42.00m	1	5.00	(0.90 + 0.80) / 2	0.225	0.96	
Ch:42.00m to 72.00\m	1	30.00	(0.80 + 0.80) / 2	0.225	5.40	
Ch:72.00m to 102.00m	1	30.00	(0.80 + 0.80) / 2	0.225	5.40	
Ch:102.00m to 132.00m	1	30.00	(0.80 + 0.80) / 2	0.225	5.40	
Ch:132.00m to 162.00m	1	30.00	(0.80 + 1.00) / 2	0.225	6.08	
Ch:162.00m to 192.00m	1	30.00	(1.00 + 1.20) / 2	0.225	7.43	
Ch:192.00m to 207.00m	1	15.00	(1.20 + 0.80) / 2	0.225	3.38	
Ch:207.00m to 222.00m	1	15.00	(0.80 + 0.80) / 2	0.225	2.70	
Ch:222.00m to 237.00m	1	15.00	(0.80 + 0.80) / 2	0.225	2.70	
Ch:237.00m to 252.00m	1	15.00	(0.80 + 0.80) / 2	0.225	2.70	
Ch:252.00m to 282.00m	1	30.00	(0.80 + 0.80) / 2	0.225	5.40	

Contractor

Asst.Engineer

Asst. Exe. Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Ch:416.50m to 431.50m	1	15.00	(0.30 + 0.30)/2	0.225	1.01	
Ch:431.50m to 436.50m	1	5.00	(0.30 + 0.30)/2	0.225	0.34	
Ch:436.50m to 446.50m	1	10.00	(0.30 + 0.30)/2	0.225	0.68	
Ch:446.50m to 476.50m	1	30.00	(0.30 + 0.30)/2	0.225	2.03	
Ch:476.50m to 506.50m	1	30.00	(0.30 + 0.30)/2	0.225	2.03	
Ch:506.50m to 536.50m	1	30.00	(0.30 + 0.30)/2	0.225	2.03	
Ch:536.50m to 566.50m	1	30.00	(0.30 + 0.30)/2	0.225	2.03	
Ch:566.50m to 596.50m	1	30.00	(0.30 + 0.30)/2	0.225	2.03	
Ch:596.50m to 626.50m	1	30.00	(0.30 + 0.30)/2	0.225	2.03	
Ch:626.50m to 656.50m	1	30.00	(0.30 + 0.30)/2	0.225	2.03	
Ch:656.50m to 676.50m	1	20.00	(0.30 + 0.30)/2	0.225	1.35	
Connecting Road						
2nd cross Rd						
Ch:0.00m to 15.00m	1	15.00	(0.40 + 0.30)/2	0.225	1.18	
Ch:15.00m to 30.00m	1	15.00	(0.30 + 0.30)/2	0.225	1.01	
Ch:30.00m to 45.00m	1	15.00	(0.30 + 0.30)/2	0.225	1.01	
Ch:45.00m to 60.00m	1	15.00	(0.30 + 0.30)/2	0.225	1.01	
Ch:60.00m to 70.00m	1	10.00	(0.30 + 0.30)/2	0.225	0.68	
				Present Qty	**258.08**	**Cum**

Contractor

Asst.Engineer

Asst.Exec.Engineer

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Name of Work-Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

rement Recorded On: 25-04-24

Discription of Item	No	Length	Breadth			Depth	Qty	Unit
Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.								
Asphalt Road								
Cut portion								
Allansandra Colony								
Allansandra Burial Ground to R.O Plant Through Shaneshwara Temple								
Ch:0.00m to 30.00m	1	30.00	0.60	+	0.80		21.00	
				2				
Ch:30.00m to 37.00m	1	7.00	0.80	+	0.90		5.95	
				2				
Ch:37.00m to 42.00m	1	5.00	0.90	+	0.80		4.25	
				2				
Ch:42.00m to 72.00\m	1	30.00	0.80	+	0.80		24.00	
				2				
Ch:72.00m to 102.00m	1	30.00	0.80	+	0.80		24.00	
				2				
Ch:102.00m to 132.00m	1	30.00	0.80	+	0.80		24.00	
				2				
Ch:132.00m to 162.00m	1	30.00	0.80	+	1.00		27.00	
				2				
Ch:162.00m to 192.00m	1	30.00	1.00	+	1.20		33.00	
				2				
Ch:192.00m to 207.00m	1	15.00	1.20	+	0.80		15.00	
				2				
Ch:207.00m to 222.00m	1	15.00	0.80	+	0.80		12.00	
				2				
Ch:222.00m to 237.00m	1	15.00	0.80	+	0.80		12.00	
				2				
Ch:237.00m to 252.00m	1	15.00	0.80	+	0.80		12.00	
				2				
Ch:252.00m to 282.00m	1	30.00	0.80	+	0.80		24.00	
				2				
Ch:282.00m to 312.0m	1	30.00	0.80	+	0.80		24.00	
				2				
Ch:312.0m to 342.00m	1	30.00	0.80	+	0.80		24.00	
				2				

Contractor

Asst.Engineer

Asst. Exe. Engineer

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Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Ch:476.50m to 506.50m	1	30.00	(0.30 + 0.30) / 2		9.00	
Ch:506.50m to 536.50m	1	30.00	(0.30 + 0.30) / 2		9.00	
Ch:536.50m to 566.50m	1	30.00	(0.30 + 0.30) / 2		9.00	
Ch:566.50m to 596.50m	1	30.00	(0.30 + 0.30) / 2		9.00	
Ch:596.50m to 626.50m	1	30.00	(0.30 + 0.30) / 2		9.00	
Ch:626.50m to 656.50m	1	30.00	(0.30 + 0.30) / 2		9.00	
Ch:656.50m to 676.50m	1	20.00	(0.30 + 0.30) / 2		6.00	
Connecting Road						
2nd cross Rd						
Ch:0.00m to 15.00m	1	15.00	(0.40 + 0.30) / 2		5.25	
Ch:15.00m to 30.00m	1	15.00	(0.30 + 0.30) / 2		4.50	
Ch:30.00m to 45.00m	1	15.00	(0.30 + 0.30) / 2		4.50	
Ch:45.00m to 60.00m	1	15.00	(0.30 + 0.30) / 2		4.50	
Ch:60.00m to 70.00m	1	10.00	(0.30 + 0.30) / 2		3.00	
				Present Qty	**1147.00**	**Sqm**

Contractor Asst.Engineer Asst Exed Engineer

35

Name of Work-Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

Measurement Recorded On: 27-04-24

Item No	Discription of Item	No	Length	Breadth			Depth	Qty	Unit
12	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.								
	Asphalt Road								
	Allansandra Colony								
	Allansandra Burial Ground to R.O Plant Through Shaneshwara Temple								
	Ch:0.00m to 30.00m	1	30.00	6.80	+	8.00 / 2		222.00	
	Ch:30.00m to 37.00m	1	7.00	6.80	+	8.00 / 2		51.80	
	Ch:37.00m to 42.00m	1	5.00	8.00	+	5.45 / 2		33.63	
	Ch:42.00m to 72.00\m	1	30.00	7.10	+	5.00 / 2		181.50	
	Ch:72.00m to 102.00m	1	30.00	5.00	+	5.10 / 2		151.50	
	Ch:102.00m to 132.00m	1	30.00	5.10	+	5.30 / 2		156.00	
	Ch:132.00m to 162.00m	1	30.00	5.30	+	5.80 / 2		166.50	
	Ch:162.00m to 192.00m	1	30.00	5.80	+	6.50 / 2		184.50	
	Ch:192.00m to 207.00m	1	15.00	6.50	+	7.10 / 2		102.00	
	Ch:207.00m to 222.00m	1	15.00	7.10	+	7.00 / 2		105.75	
	Ch:222.00m to 237.00m	1	15.00	7.00	+	7.10 / 2		105.75	
	Ch:237.00m to 252.00m	1	15.00	7.10	+	5.60 / 2		95.25	
	Ch:252.00m to 282.00m	1	30.00	5.60	+	4.20 / 2		147.00	
	Ch:282.00m to 312.0m	1	30.00	4.20	+	4.80 / 2		135.00	
	Ch:312.0m to 342.00m	1	30.00	4.80	+	4.95 / 2		146.25	
	Ch:342.00m to 355.00m	1	13.00	4.95	+	5.60 / 2		68.58	

Contractor | Asst. Engineer | Asst. Exec. Engineer

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:45.00m to 60.00m	1	15.00	$\frac{4.40 + 5.80}{2}$		76.50	
	Ch:60.00m to 70.00m	1	10.00	$\frac{3.40 + 5.80}{2}$		46.00	
	Deduction						
	Ramp	-1	9.50	$\frac{0.50 + 0.50}{2}$		-4.75	
					Present Qty	**4680.18**	**Sqm**

Contractor

Asst. Engineer

Asst. Exec. Engineer

Name of Work-Construction : of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

...surement Recorded On: 25-04-24

Discription of Item	No	Length	Breadth			Depth	Qty	Unit
Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.								
Asphalt Road								
Cut portion								
Allansandra Colony								
Allansandra Burial Ground to R.O Plant Through Shaneshwara Temple								
Ch:0.00m to 30.00m	1	30.00	0.60	+	0.80 / 2	0.05	1.05	
Ch:30.00m to 37.00m	1	7.00	0.80	+	0.90 / 2	0.05	0.30	
Ch:37.00m to 42.00m	1	5.00	0.90	+	0.80 / 2	0.05	0.21	
Ch:42.00m to 72.00\m	1	30.00	0.80	+	0.80 / 2	0.05	1.20	
Ch:72.00m to 102.00m	1	30.00	0.80	+	0.80 / 2	0.05	1.20	
Ch:102.00m to 132.00m	1	30.00	0.80	+	0.80 / 2	0.05	1.20	
Ch:132.00m to 162.00m	1	30.00	0.80	+	1.00 / 2	0.05	1.35	
Ch:162.00m to 192.00m	1	30.00	1.00	+	1.20 / 2	0.05	1.65	
Ch:192.00m to 207.00m	1	15.00	1.20	+	0.80 / 2	0.05	0.75	
Ch:207.00m to 222.00m	1	15.00	0.80	+	0.80 / 2	0.05	0.60	
Ch:222.00m to 237.00m	1	15.00	0.80	+	0.80 / 2	0.05	0.60	
Ch:237.00m to 252.00m	1	15.00	0.80	+	0.80 / 2	0.05	0.60	
Ch:252.00m to 282.00m	1	30.00	0.80	+	0.80 / 2	0.05	1.20	

Contractor Asst.Engineer Asst.Exec Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Ch:536.50m to 566.50m	1	30.00	(0.30 + 0.30) / 2	0.05	0.45	
Ch:566.50m to 596.50m	1	30.00	(0.30 + 0.30) / 2	0.05	0.45	
Ch:596.50m to 626.50m	1	30.00	(0.30 + 0.30) / 2	0.05	0.45	
Ch:626.50m to 656.50m	1	30.00	(0.30 + 0.30) / 2	0.05	0.45	
Ch:656.50m to 676.50m	1	20.00	(0.30 + 0.30) / 2	0.05	0.30	
Connecting Road						
2nd cross Rd						
Ch:0.00m to 15.00m	1	15.00	(0.40 + 0.30) / 2	0.05	0.26	
Ch:15.00m to 30.00m	1	15.00	(0.30 + 0.30) / 2	0.05	0.23	
Ch:30.00m to 45.00m	1	15.00	(0.30 + 0.30) / 2	0.05	0.23	
Ch:45.00m to 60.00m	1	15.00	(0.30 + 0.30) / 2	0.05	0.23	
Ch:60.00m to 70.00m	1	10.00	(0.30 + 0.30) / 2	0.05	0.15	
				Present Qty	**57.35**	**Cum**

Contractor

Asst.Engineer

Asst.Exec.Engineer

Name of Work-Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

Measurement Recorded On: 09-04-24

Discription of Item	No	Length	Breadth			Depth	Qty	Unit
Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electr								
CC Road								
Kanakanagara								
5th Cross Rd								
Ch:0.00m to 14.70m	1	14.70	1.60	+	4.40	0.15	6.62	
				2				
Connecting Rd								
Ch:0.00m to 5.50m	1	5.50	1.20	+	1.20	0.15	0.99	
				2				
Ch:0.00m to 20.50m	1	15.00	0.85	+	0.95	0.15	2.03	
				2				
Ch:0.00m to 35.50m	1	15.00	0.95	+	1.40	0.15	2.64	
				2				
Ch:0.00m to 42.60m	1	7.10	1.40	+	1.20	0.15	1.38	
				2				
Deduction								
	-1	0.90	0.90	+	0.90	0.15	-0.12	
				2				
	-1	0.60	0.60	+	0.60	0.15	-0.05	
				2				
						Present Qty	**13.48**	**Cum**

Contractor

Asst.Engineer

Asst.Exec.Engineer

Name of Work-Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

...surement Recorded On: 09-03-24, 10-04-24, 08-04-24

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km						
From item no. 02		701.96	1.28		898.51	
From item no. 09		286.75	1.28		367.04	
From item no. 08		20.21	2.10		42.43	
				Present Qty	**1307.98**	**T.km**

Contractor

Asst.Engineer

Asst Exec Engineer

Name of Work-'Construction of Concrete Roads And Drains in Allansandra Colony''

MEASUREMENT SHEETS

"FIRST AND FINAL BILL''

Name of Work-'Construction of Concrete Roads And Drains in Allansandra Colony''

MEASUREMENT SHEETS

"FIRST AND FINAL BILL''

Name of Work- Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	Removing and Resetting of Footpath Slab and pointing in C.M (1:3) (Approved Rate)								
	Vide Premeasurement page no. 1					146.40			
	Present Qty					**146.40**	**Sqm**	**250.00**	**36600.00**
2	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3)								
	Vide Premeasurement page no. 2 to 4					701.96			
	Present Qty					**701.96**	**Cum**	**400.00**	**280784.40**
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates								
	Vide Premeasurement page no. 5 to 7					83.61			
	Present Qty					**83.61**	**Cum**	**7000.00**	**585291.00**
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.complete as per the direction of Engineer In charge of the work								
	Vide Premeasurement page no. 8 to 10					12.39			
	Present Qty					**12.39**	**Tn**	**88000.00**	**1090192.14**
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates					186.31			
	Vide Premeasurement page no. 11 to 15								
	Present Qty					**186.31**	**Cum**	**7500.00**	**1397306.25**
8	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separatel					20.18			
	Vide Premeasurement page no. 16								
	Present Qty					**20.18**	**cum**	**625.00**	**12613.75**

Contractor

Asst Engineer

Asst Exec Engineer

	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
9	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work (								
	Vide Premeasurement page no. 17 to 22					286.75			
					Present Qty	**286.75**	**Cum**	**625.00**	**179218.75**
10	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density								
	Vide Premeasurement page no. 23 to 28					258.08			
					Present Qty	**258.08**	**Cum**	**2900.00**	**748417.50**
11	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.								
	Vide Premeasurement page no. 29 to 34					1147.00			
					Present Qty	**1147.00**	**Sqm**	**50.00**	**57350.00**
12	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.								
	Vide Premeasurement page no. 35 to 37					4680.18			
					Present Qty	**4680.18**	**Sqm**	**15.00**	**70202.70**
13	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.					57.35			
	Vide Premeasurement page no. 38 to 43				**Present Qty**	**57.35**	**Cum**	**11000.00**	**630850.00**
15	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electr					13.48			
	Vide Premeasurement page no. 44				**Present Qty**	**13.48**	**Cum**	**5500.00**	**74155.13**
18	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km					1307.98			
	Vide Premeasurement page no. 45				**Present Qty**	**1307.98**	**T.km**	**92.00**	**120334.21**

Contractor

Asst. Engineer

Asst. Exec. Engineer

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Name of Work-Construction of Concrete Roads And ... nsandra Colony"

Detailed Measurements

...rement Recorded On: 22-06-24

Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work								
Precast Covering Slab								
Kanakanagara								
5th Cross Rd								
LHS								
CH:0.00m to 5.50m	1	5.50	1.20		6.60			
CH:5.50m to 11.80m	1	6.30	1.20		7.56			
CH:11.80m to 12.80m Gap	1	1.00						
CH:12.80m to 17.80m	1	5.00	1.20		6.00			
CH:17.80m to 47.80m	1	30.00	1.20		36.00			
Continue								
5th Cross Rd								
RHS								
CH:0.00m to 11.00m	1	11.00	0.90		9.90			
CH:11.00m to 17.20m Culvert Gap	1	6.20						
29th Cross Rd LHS								
CH:0.00m to 1.80m	1	1.80	0.90		1.62			
CH:1.80m to 3.70m Gap	1	1.90						
CH:3.70m to 7.50m	1	3.80	1.20		4.56			
CH:7.50m to 28.00m	1	20.50	0.90		18.45			
CH:28.00m to 31.00m	1	3.00	0.90		2.70			
CH:31.00m to 35.70m	1	4.70	0.90		4.23			
CH:35.70m to 40.50m Culvert Gap	1	4.80						
CH:40.50m to 43.30m	1	2.80	1.20		3.36			
CH:43.30m to 44.90m	1	1.60	0.90		1.44			
CH:44.90m to 47.30m Culvert Gap	1	2.40						
CH:47.30m to 54.30m	1	7.00	0.90		6.30			
CH:54.30m to 66.30m	1	12.00	0.90		10.80			
CH:66.30m to 70.30m Gap	1	4.00						
CH: 70.30m to 82.30m	1	12.00	0.90		10.80			
CH:82.30m to 85.30m Gap	1	3.00						
CH:85.30m to 107.30m	1	22.00	0.90		19.80			
29th Cross Rd RHS								
CH:0.00m to 27.40m	1	27.40	0.90		24.66			
CH:27.40m to 34.90m Culvert Gap	1	7.50						
CH:34.90m to 57.30m	1	22.40	0.90		20.16			

Contractor

Asst. Engineer

Asst. Exec. Engin...

Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit	Rate	Amount
CH:57.30m to 64.50m	1	7.20	0.90		6.48			
Kanakanagara Main Rd								
RHS From 28th Cross Rd								
CH:0.00m to 23.20m	1	23.20	0.90		20.88			
CH:23.20m to 28.00m Rd Gap	1	4.80						
CH:28.00m to 35.80m	1	7.80	0.90		7.02			
CH:35.80m to 39.10m Rd Gap	1	3.30						
CH:39.10m to 47.00m	1	7.90	0.90		7.11			
CH:47.00m to 51.00m Rd Gap	1	4.00						
CH:51.00m to 57.00m	1	6.00	0.90		5.40			
CH:57.00m to 59.70m Rd Gap	1	2.70						
CH:59.70m to 68.80m	1	9.10	0.90		8.19			
CH:68.80m to 72.30m Rd Gap	1	3.50						
CH:72.30m to 80.60m	1	8.30	0.90		7.47			
CH:80.60m to 84.70m Rd Gap	1	4.10						
CH:84.70m to 94.10m	1	9.40	0.90		8.46			
CH:94.10m to 98.10m Rd Gap	1	4.00						
CH:98.10m to 106.50m Gap	1	8.40						
CH:106.50m to 110.20m Rd Gap	1	3.70						
CH:110.20m to 119.80m	1	9.60	0.90		8.64			
CH:119.80m to 123.40m Rd Gap	1	3.60						
CH:123.40m to 130.60m	1	7.20	0.90		6.48			
CH:130.60m to 134.00m Rd Gap	1	3.40						
CH:134.00m to 145.30m Gap	1	11.30						
CH:145.30m to 158.70m	1	13.40	0.90		12.06			
LHS From Dead End								
CH:0.00m to 30.00m	1	30.00	0.75		22.50			
CH:30.00m to 45.30m	1	15.30	0.75		11.48			
CH:45.30m to 60.30m	1	15.00	0.90		13.50			
CH:60.30m to 69.30m	1	9.00	0.90		8.10			
CH:69.30m to 81.30m Gap	1	12.00						
CH:81.30m to 104.70m	1	23.40	0.90		21.06			
CH:104.70m to 110.20m	1	5.50	0.90		0.00			
CH:110.20m to 118.60m	1	8.40	0.90		7.56			
Allansandra Colony Burial Ground Rd								
RHS								
CH:0.00m to 35.00m	1	35.00	0.90		31.50			
4th Cross Rd								
RHS								
CH:0.00m to 15.00m	1	15.00	0.90		13.50			
Deduct Old Slab	-18	0.60	0.90		-9.72			
Missing Slab Allansandra Colony Burial Ground Rd LHS And RHS	55	0.60	0.90		29.70			
				Present Qty	**442.31**	**Sqm**	**2100.00**	**928840.5**

ractor

Asst. Engineer

Asst. Exec. Engi

Name of Work-Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

Measurement Recorded On: 22-06-24

Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
RCC Culvert Slab								
5th Cross Rd								
RHS	1	5.50	1.20		6.60			
Continue								
5th Cross Rd								
RHS								
CH:11.00m to 17.20m	1	6.20	1.20		7.44			
29th Cross Rd LHS								
CH:35.70m to 40.50m	1	4.80	1.20		5.76			
CH:44.90m to 47.30m	1	2.40	1.20		2.88			
				Present Qty	**22.68**	**Sqm**	**5100.00**	**115668.00**

Asst. Engineer

Asst. Exe. Engr.

Name of Work-Construction of Concrete Roads And Drains in Allansa

Detailed Measurements

Measurement Recorded On: 25-06-24

Item No	Discription of Item	No	Length	Breadth			Depth	Qty	Unit	Rate	Amount
14	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects										
	Asphalt Road										
	Allansandra Colony										
	Allansandra Burial Ground to R.O Plant Through Shaneshwara Temple										
	Ch:0.00m to 30.00m	1	30.00	6.80	+	8.00 / 2	0.04	8.88			
	Ch:30.00m to 37.00m	1	7.00	6.80	+	8.00 / 2	0.04	2.07			
	Ch:37.00m to 42.00m	1	5.00	8.00	+	5.45 / 2	0.04	1.35			
	Ch:42.00m to 72.00\m	1	30.00	7.10	+	5.00 / 2	0.04	7.26			
	Ch:72.00m to 102.00m	1	30.00	5.00	+	5.10 / 2	0.04	6.06			
	Ch:102.00m to 132.00m	1	30.00	5.10	+	5.30 / 2	0.04	6.24			
	Ch:132.00m to 162.00m	1	30.00	5.30	+	5.80 / 2	0.04	6.66			
	Ch:162.00m to 192.00m	1	30.00	5.80	+	6.50 / 2	0.04	7.38			
	Ch:192.00m to 207.00m	1	15.00	6.50	+	7.10 / 2	0.04	4.08			
	Ch:207.00m to 222.00m	1	15.00	7.10	+	7.00 / 2	0.04	4.23			
	Ch:222.00m to 237.00m	1	15.00	7.00	+	7.10 / 2	0.04	4.23			
	Ch:237.00m to 252.00m	1	15.00	7.10	+	5.60 / 2	0.04	3.81			
	Ch:252.00m to 282.00m	1	30.00	5.60	+	4.20 / 2	0.04	5.88			

Contractor

Asst. Engineer

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Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch:282.00m to 312.0m	1	30.00	(4.20 + 4.80)/2	0.04	5.40			
Ch:312.0m to 342.00m	1	30.00	(4.80 + 4.95)/2	0.04	5.85			
Ch:342.00m to 355.00m	1	13.00	(4.95 + 5.60)/2	0.04	2.74			
Ch:355.00m to 356.50m Culvert Gap	1	1.50						
Ch:356.50m to 386.50m	1	30.00	(11.20 + 10.10)/2	0.04	12.78			
Ch:386.50m to 416.50m	1	30.00	(10.10 + 9.00)/2	0.04	11.46			
Ch:416.50m to 431.50m	1	15.00	(9.00 + 5.40)/2	0.04	4.32			
Ch:431.50m to 436.50m	1	5.00	(5.40 + 5.50)/2	0.04	1.09			
Ch:436.50m to 446.50m	1	10.00	(6.50 + 5.80)/2	0.04	2.46			
Ch:446.50m to 476.50m	1	30.00	(5.80 + 6.40)/2	0.04	7.32			
Ch:476.50m to 506.50m	1	30.00	(6.40 + 6.10)/2	0.04	7.50			
Ch:506.50m to 536.50m	1	30.00	(6.10 + 6.00)/2	0.04	7.26			
Ch:536.50m to 566.50m	1	30.00	(6.00 + 6.70)/2	0.04	7.62			
Ch:566.50m to 596.50m	1	30.00	(6.70 + 5.80)/2	0.04	7.50			
Ch:596.50m to 626.50m	1	30.00	(5.80 + 6.10)/2	0.04	7.14			
Ch:626.50m to 656.50m	1	30.00	(6.10 + 7.10)/2	0.04	7.92			
Ch:656.50m to 676.50m	1	20.00	(7.10 + 8.30)/2	0.04	6.16			
Approaches								
At End	1	5.50	(7.30 + 6.30)/2	0.04	1.50			
Deduction								
Tree Surrounding	-1	0.70	(0.60 + 0.60)/2	0.04	-0.02			
Ramp	-1	2.00	(0.40 + 0.40)/2	0.04	-0.03			
Connecting Road								
2nd cross Rd								
Ch:0.00m to 15.00m	1	15.00	(4.10 + 5.00)/2	0.04	2.73			
Ch:15.00m to 30.00m	1	15.00	(5.00 + 5.50)/2	0.04	3.15			

Contractor

Asst. Engineer

Asst. Exe. Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch:30.00m to 45.00m	1	15.00	(4.00 + 4.40) / 2	0.04	2.52			
Ch:45.00m to 60.00m	1	15.00	(4.40 + 5.80) / 2	0.04	3.06			
Ch:60.00m to 70.00m	1	10.00	(3.40 + 5.80) / 2	0.04	1.84			
Deduction								
Ramp	-1	9.50	(0.50 + 0.50) / 2	0.04	-0.19			
				Present Qty	**187.21**	**Cum**	**12270.00**	**2297032.34**

Contractor

Asst. Engineer

Asst. Exec. Engineer

Name of Work-"Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

Measurement Recorded On: 24-06-24

Item No	Discription of Item	No	Length	Breadth			Depth	Qty	Unit	Rate	Amount
16	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work.										
	CC Road										
	Kanakanagara										
	5th Cross Rd										
	Ch:0.00m to 14.70m	1	14.70	1.60	+	4.40	0.15	6.62			
					2						
	Connecting Rd										
	Ch:0.00m to 5.50m	1	5.50	1.20	+	1.20	0.15	0.99			
					2						
	Ch:0.00m to 20.50m	1	15.00	0.85	+	0.95	0.15	2.03			
					2						
	Ch:0.00m to 35.50m	1	15.00	0.95	+	1.40	0.15	2.64			
					2						
	Ch:0.00m to 42.60m	1	7.10	1.40	+	1.20	0.15	1.38			
					2						
	Deduction										
		-1	0.90	0.90	+	0.90	0.15	-0.12			
					2						
		-1	0.60	0.60	+	0.60	0.15	-0.05			
					2						
							Present Qty	**13.48**	**Cum**	**7500.00**	**101120.63**

Contractor

Asst. Engineer

Asst. Exec. Engineer

Name of Work-Construction of Concrete Roads And Drains in Allansandra Colony"

Detailed Measurements

Measurement Recorded On: 25-06-24

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
7	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes.								
	Allansandra Colony								
	Allansandra Burial Ground to R.O Plant Through Shaneshwara Temple								
	Ch:0.00m to 30.00m	2	30.00	0.10		6.00			
	Ch:30.00m to 37.00m	2	7.00	0.10		1.40			
	Ch:37.00m to 42.00m	2	5.00	0.10		1.00			
	Ch:42.00m to 72.00\m	2	30.00	0.10		6.00			
	Ch:72.00m to 102.00m	2	30.00	0.10		6.00			
	Ch:102.00m to 132.00m	2	30.00	0.10		6.00			
	Ch:132.00m to 162.00m	2	30.00	0.10		6.00			
	Ch:162.00m to 192.00m	2	30.00	0.10		6.00			
	Ch:192.00m to 207.00m	2	15.00	0.10		3.00			
	Ch:207.00m to 222.00m	2	15.00	0.10		3.00			
	Ch:222.00m to 237.00m	2	15.00	0.10		3.00			
	Ch:237.00m to 252.00m	2	15.00	0.10		3.00			
	Ch:252.00m to 282.00m	2	30.00	0.10		6.00			
	Ch:282.00m to 312.0m	2	30.00	0.10		6.00			
	Ch:312.0m to 342.00m	2	30.00	0.10		6.00			
	Ch:342.00m to 355.00m	2	13.00	0.10		2.60			
	Ch:355.00m to 356.50m Culvert Gap	2	1.50						
	Ch:356.50m to 386.50m	2	30.00	0.10		6.00			
	Ch:386.50m to 416.50m	2	30.00	0.10		6.00			
	Ch:416.50m to 431.50m	2	15.00	0.10		3.00			
	Ch:431.50m to 436.50m	2	5.00	0.10		1.00			
	Ch:436.50m to 446.50m	2	10.00	0.10		2.00			
	Ch:446.50m to 476.50m	2	30.00	0.10		6.00			
	Ch:476.50m to 506.50m	2	30.00	0.10		6.00			
	Ch:506.50m to 536.50m	2	30.00	0.10		6.00			
	Ch:536.50m to 566.50m	2	30.00	0.10		6.00			
	Ch:566.50m to 596.50m	2	30.00	0.10		6.00			

Contractor

Asst. Engineer

Asst. Exec. Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch:596.50m to 626.50m	2	30.00	0.10		6.00			
Ch:626.50m to 656.50m	2	30.00	0.10		6.00			
Ch:656.50m to 676.50m	2	20.00	0.10		4.00			
Connecting Road								
2nd cross Rd								
Ch:0.00m to 15.00m	2	15.00	0.10		3.00			
Ch:15.00m to 30.00m	2	15.00	0.10		3.00			
Ch:30.00m to 45.00m	2	15.00	0.10		3.00			
Ch:45.00m to 60.00m	2	15.00	0.10		3.00			
Ch:60.00m to 70.00m	2	10.00	0.10		2.00			
				Present Qty	**149.00**	**Sqm**	**600.00**	**89400.00**
							SUB TOTAL	**8670568.54**
							GST 18%	**1560702.34**
							GRAND TOTAL	**10231270.88**

Contractor

Asst. Engineer

Asst. Exec. Engineer